

WHAT IS CLAIMED IS:

1. A liquid crystal display having at least one pixel, comprising:
a first substrate and a second substrate facing each other,
a liquid crystal material layer injected between the first and the second
5 substrates; and
at least two linear electrodes being parallel to each other and formed on
the first or the second substrate, each electrode having a first portion and a
second portion which are not parallel to each other.
- 10 2. The liquid crystal display of claim 1, wherein the angle formed
by the first portion and the second portion of the electrodes is larger than zero
and smaller than 180 degrees.
3. The liquid crystal display of claim 2, wherein the angle formed
15 by the first portion and the second portion of the electrodes is 90 degrees.
4. The liquid crystal display of claim 1, wherein the width of the
electrodes is between 1 and 10 μm .
- 20 5. The liquid crystal display of claim 4, wherein the distance
between the electrodes is between 2 and 20 μm .
6. The liquid crystal display of claim 5, wherein the gap between

the first and the second substrates is between 1 and 15 μm .

7. The liquid crystal display of claim 1, wherein the liquid crystal display has at least two pixels, and the first portion and the second portion of the electrodes are formed in adjacent pixels respectively.

8. The liquid crystal display of claim 7, wherein the first portion and the second portion of the electrodes are connected.

9. The liquid crystal display of claim 1, wherein the first portion and the second portion of the electrodes are formed in one pixel.

10. The liquid crystal display of claim 9, wherein the first portion and the second portion of the electrodes are connected.

11. The liquid crystal display of claim 2, further comprising polarizing plates attached to outer surfaces of the first and the second substrates respectively.

12. The liquid crystal display of claim 11, wherein polarizing directions of the polarizing plates are either perpendicular or parallel to each other.

13. The liquid crystal display of claim 12, wherein the polarizing directions of the polarizing plates are neither parallel nor perpendicular to the first portion and the second portion of the electrodes.

5 14. The liquid crystal display of claim 13, wherein the angle made by the polarizing directions of the polarizing plates and the first portion and the second portion of the electrodes is 45 degrees.

10 15. The liquid crystal display of claim 14, further comprising at least one compensation film attached to the first or the second substrate.

16. The liquid crystal display of claim 15, wherein the compensation film is selected from the group consisting of a positive uniaxial, a negative uniaxial and a biaxial compensation film.

15 17. The liquid crystal display of claim 2, wherein the electrodes are formed on either the first substrate or the second substrate.

20 18. The liquid crystal display of claim 2, wherein the electrodes are formed alternately on the first substrate and the second substrate.

19. The liquid crystal display of claim 2, wherein liquid crystal molecules of the liquid crystal material layer is substantially perpendicular to the

first substrate and the second substrate when the voltage difference between the electrodes is substantially zero.

20. The liquid crystal display of claim 19, wherein the liquid crystal material layer has positive dielectric anisotropy.

21. The liquid crystal display of claim 20, wherein the liquid crystal material layer is selected from the group consisting of chiral nematic liquid crystal material, nematic liquid crystal material and nematic liquid crystal material having chiral dopant.

22. The liquid crystal display of claim 2, wherein liquid crystal molecules of the liquid crystal material layer are substantially parallel to the first substrate and the second substrate when the voltage difference between the electrodes is substantially zero.